

NAVAL POSTGRADUATE SCHOOL
MONTEREY, CALIFORNIA

NPS (91/ec)
5 December 1997

MEMORANDUM FOR THE RECORD

Subject: MINUTES OF THE RESEARCH BOARD MEETING, 5 DECEMBER 1997

MEMBERS PRESENT:

09, David Netzer
AA, Oscar Biblarz
CS, Neil Rowe
EC, Jeff Knorr
ME, Young Shin
MR, Ken Davidson
OC, Ed Thornton
OR, Gerry Brown
PH, Dave Cleary
GP, Jim Eagle (Rep)
Faculty Council Rep, Tony Ciavarelli
Research Ofc Rep, Danielle Kuska

MEMBERS ABSENT:

MA, Carlos Borges
NS, Don Abenheim
SM, Mark Eitelberg

The meeting was called to order by Dean Netzer at 0910.

General discussion items while priority numbers on recapitalization being counted:

The UAV Working Group Meeting will be held on 11 December, 1500, RO-200B. Bob Bluth, Director of CIRPAS, will provide a brief about CIRPAS assets and possible funding sources for UAV work.

Dean Netzer will brief RADM (Sel) Young, NAVSEA 92D, Director of Submarine S&T, on UAVs, UUVs, and submarine work at NPS.

National Science Foundation major research instrumentation proposals are due 30 January 1998.

Any unallocated DFR labor will be swept up 1 January 1998.

Recapitalization funding will be \$400K.

Dean Netzer will put together individual Department Research Plans, prepare a preface and distribute to the Provost and Departments/Groups.

Following are the results of the prioritization of the eighteen proposals that were submitted:

FY98 DIRECT FUNDED RESEARCH RECAPITALIZATION PROGRAM

Allocation: \$400,000

Requesting	Dept		Total	DFR Recap	Cost-Share
<u>Dept/Faculty</u>	<u>Priority</u>	<u>Equipment/Usage/Lab</u>	<u>Cost</u>	<u>Request</u>	<u>Contribution</u>
EC Knorr Ha/Pace/Jenn Adler/Lebaric	--	HP Eesof Advanced Design System EC07 - CAD/CAE Computer Lab	\$ 31,284	\$ 25,000	\$ 6,824+
AA Kaminer Duren	1	Autonomous Vision-Based Flight Capability AA02 - Avionics Lab & AA06 UAV Lab	\$ 40,250	\$ 25,250	\$15,000
ME Fox McNelly Dutta/Menon	1 (Item was next in line for funding in FY97)	Scanning Upgrade to the Topcon 002B Electron Microscope ME18 - Transm. Electron Microscopy Lab	\$ 50,000	\$ 25,000	\$ 25,000
OC Thornton Stanton Herbers	1	Shallow Water Directional Wave Measuring Equipment OCXX - Ocean Waves Lab	\$ 70,000	\$ 47,000	\$ 23,000
MR Davidson Nuss/Wang	1 Property	Instrumented Buoy for Near-Surface Studies MR03 - Marine Atmospheric Measurements Lab	\$ 85,000	\$ 37,000	\$ 48,000
MR Durkee Wash/Davidson Wang/Haney	2	NPS Satellite Groundstation Upgrade MR06 - Remote Sensing Lab	\$ 63,000	\$ 45,000	\$ 18,000
ME Healey	2	Phoenix Rebuild ME06 - Marine Propulsion Lab	\$ 40,000	\$ 30,000	\$ 10,000
AA Shreeve Hobson	1	Low Speed Cascade Wind Tunnel Power Supply AA28 - High Speed Turbo Propulsion Lab	\$100,000	\$ 80,450	\$ 19,550
AA Platzter Chandrasekhara Newberry Howard	2 AA07 -	Addition of 2-Component Velocity and Laser Sheet Visualization Capa- bility to Water/Wind/Smoke Tunnel Water Tunned Lab, AA16 - Low- Speed Wind Tunnel Lab, AA28 - High- Speed Wind Tunnel Lab	\$ 27,000	\$ 27,000	
OC Semtner Garfield Batteen/Garwood McLean/Maslowski Paduan/Poulain Tokmakian/Zhang	2	Silicon Graphics Multiprocessor Data Server and Disk Storage OC06 - Global & Polar Modeling Lab	\$50,000	\$ 25,000	\$ 25,000

Requesting	Dept	Total	DFR Recap	Cost-Share
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<u>Dept/Faculty</u>	<u>Priority</u>	<u>Equipment/Usage/Lab</u>	<u>Cost</u>	<u>Request</u>	<u>Contribution</u>
EC Yun McGhee (CS) Bachmann (CS)	**	INS/GPS Navigation System EC13 - Servo Controls Lab	\$ 48,000	\$ 2,000	\$ 46,000
PH Dept Asset	1	High Speed Digitizing Oscilloscope PH04 - Electro-Optics Lab, PH07 - Nuclear Physics Lab, PH17 - Linear Accelerator Lab, PH18 - Flash x-Ray Facility, PH32 - Laser/ Lidar Lab	\$ 22,055	\$ 22,055	--
PH Dept Asset	2	Thermal Infrared Imaging System PH04 - Electro-Optics Lab, PH19 - IR Electro-Optic Sensors Lab, PH21 - Atmospheric Optical Propagation Lab, PH23 - Nonlinear Physica Lab, PH32 - Laser/Lidar Lab	\$ 38,950	\$ 38,950	--

----ABOVE THE LINE ARE APPROVED FOR FUNDING-----

<u>Requesting Dept/Faculty</u>	<u>Dept Priority</u>	<u>Equipment/Usage/Lab</u>	<u>Total Cost</u>	<u>DFR Recap Request</u>	<u>Cost-Share Contribution</u>
AA Agrawal	3	Three-Axis Spacecraft Simulator Platform AA18 - S/C Dynamics & Controls Lab	\$ 55,000	\$ 40,000	\$ 15,000
ME McNelley Dutta/Fox	2	Orientation Imaging Microscopy Attach- ments for Scanning Electron Microscope ME19 - Scann. Electron Microscopy Lab	\$ 43,540	\$ 43,540	--
EC Hippenstiel Cristi/Fargues Therrien/Tummala	--	SUN Ultra-SPARC Workstations EC27 - Digital Signal Processing Lab	\$ 41,000	\$ 41,000	--
UW Brutzman Healey (ME)	1	Beach Tank Refurbishment	\$211,915	\$211,915	see proposal
ME Gopinath	2	SUN SPARC Station 20 and Equipment for Processing Lab ME02 - Convective Heat Transfer Lab	\$ 50,000	\$ 40,000	\$ 10,000

Physics has the option to decide the priority of their two approved proposals.

Discussion on concerns with PCs/workstations being submitted under the recapitalization program was heard. These types of proposals should be in direct relationship with the Department Research and NPS IT Plan.

Concerns noted that will be addressed in next year's recapitalization program: criteria for the submission of PCs/Workstations under this program; availability of equipment on campus (note: 09 will put together an inventory list of available research equipment assets).

The recapitalization guidelines for next year will be sent out early for review and comments by the Associate Chairs prior to officially being sent out.

The meeting adjourned at 1015.

Submitted by: Elaine Christian

Copy to:
01/06/07/08
Professor Cooper